

2019Z 01 DEC 59

~~SECRET~~

DB
C/DB
"

RE

DIRECTOR

25X1A

DPD (1,2,3,4,5,6,7,8,9,10)

S/C (11)

PAH

TOR: 2050Z 01 DEC 59

25X1A

PRIORITY

IN 12465

25X1A

4335

REF: TELEPHONE CONVERSATION 24 NOV 59

ATTN: 25X1A

1. IN REPLY TO REF:

A. C-130B PERFORMANCE TEST - HAS 10 HRS FLYING TO COMPLETE. TEST ACFT RECENTLY DAMAGED IN LANDING ACCIDENT AND UNDERGOING REPAIR. LEFT TO DO: RANGE MISSION. ADVISES FLYING WILL BE FINISHED IN MID DEC., ROUGH DRAFT WILL BE AVAILABLE BY END OF JAN. 60. FINISHED REPORT END MARCH. PRELIMINARY DATA CAN BE SECURED AS NEEDED.

B. HELIO REPORT - ROUGH DRAFT UNDERGOING COORDINATION, EDITING AND TECHNICAL REVIEW. ESTIMATED AVAILABLE END DEC. WORKING DRAFT COPY COULD BE MADE AVAILABLE SOONER IF YOU NEED IT.

C. CHAIN OF COMMAND FOR SECURING TEST PILOTS AND ENGINEERS DIRECTLY TO ATTN: RDY WITH REQUIREMENT.

AGREED PER RECENT CONVERSATION OF

END OF MESSAGE

25X1A

DOCUMENT NO.

NO CHANGE IN CLASS.

DECLASSIFIED

CLASS. CHANGED TO: TS S C

REVIEW DATE:

AUTH: 0170-2

DATE : 2100Z 30 SEP 59

S E C R E T

1	DB	4	C/D B
2	OPS	5	"
3	"	6	RE

TO : DIRECTOR

FROM : [REDACTED] 25X1A

ACTION: DPD (1-2-3-4-5-6-7-8-9-10)

INFO : S/C (11)

FQ

TOR: 2204Z 30 SEP 59

ROUTINE

IN-08452

TO

INFO

CITE

25X1A

25X1A

4030

25X1A FOLLOWING IS C-130Z RANGE INFORMATION: DATA PREPARED BY [REDACTED]

A. TO OBTAIN RANGE OF 3,500 NAUTICAL MILES FOR A GROSS WEIGHT OF 124,200 POUNDS AT ENGINE START WOULD REQUIRE 11,100 LBS OF ADDITIONAL FUEL (1,720 GALS AT 6.5 LBS/GAL). FUEL ALLOWANCES ARE MADE FOR START, TAXI AND ACCELERATE TO CLIMB SPEED AND 3,500 LBS OF FUEL RESERVE OVER DESTINATION. MISSION IS CONDUCTED AT CONSTANT ALTITUDE OF 28,000 FEET AT BEST CRUISE SPEEDS. PAYLOAD WOULD BE APPROXIMATELY 16,000 POUNDS.

B. TO CARRY A 20,000 LB PAYLOAD, 3,500 NAUTICAL MILES WOULD REQUIRE 12,800 LBS OF ADDITIONAL FUEL (1970 GALS AT 6.5 LB/GAL). CONSTANT CRUISE ALTITUDE WOULD BE 26,000 FEET AND ENGINE START GROSS WEIGHT 130,000 LBS.

C. CALCULATIONS DO NOT INCLUDE ANY CONSERVATISM. AN INSTALLATION WEIGHT OF 2,600 LBS FOR 2/1.000 GALLON FUEL TANKS

S E C R E T

DOCUMENT NO. 2
NO CHANGE IN CLASS. 1
☐ DECLASSIFIED
CLASS. CHANGED TO: TS S C
NEXT REVIEW DATE: 2011

25X1A

S E C R E T

4030 (IN-08452)

PAGE TWO

(B-52 DROP TANKS) HAS BEEN ADDED TO BASIC OPERATING WEIGHT.

END OF MESSAGE

2151Z 28 SEPT 59

SECRET

7X

DIRECTOR

25X1A

DPD (1,2,3,4,5,6,7,8,9,10)

S/C (11)

TD

ROUTINE

TO: 2237Z 28 SEPT 59
25X1A

IN 08277

25X1A

FOR

25X1A

1. CONFIRMING TELECON, 3500, N. MI. RANGE ON C-130A REQUIRES 5 BENSON TANKS, PART NR A-1125-500 GAL MOUNTED IN FAIRCHILD CRADLES PART NR 110-680042. OUR UNDERSTANDING THESE PARTS IN NAVY STOCK AT CHERRY POINT. TOTAL VOLUME OF TANK INSTALLATION APPROX 360 CU FT.

2. FULL FUEL LOAD PERMITS 14000 POUNDS CARGO TO STAY INSIDE MAX ALTERNATE GROSS WEIGHT. CARRYING 20000 POUNDS CARGO POSSIBLE AND PRACTICAL AT SLIGHTLY REDUCED LOAD FACTORS.

END OF MESSAGE

DOCUMENT NO. 3
NO CHANGE IN CLASS. ☒
☐ DECLASSIFIED
CLASS. CHANGED TO: TS S C 2011
NEXT REVIEW DATE:
AUTH: HR 70-2
DATE: 2011 REVIEWER: 010956

SECRET

2120Z 23 SEPT 59

SECRET

DB
DDP
A/C/DPO

ch/DB
opt
R1
X

DIRECTOR

25X1A

ADH

DPD (1,2,3,4,5,6,7,8,9,10)

ROUTINE

RR

IN 08010

TOR: 2149Z 23 SEPT 59

25X1A

25X1A

3992

ATTN: 25X1A

25X1A REF PHONE CALL TO [REDACTED] 21 SEP 59.

25X1A [REDACTED] CONTACTED. C-130 RANGE EXTENSION DATA NOT AVAILABLE AND IS BEING WORKED UP BY FLIGHT TEST ENGINEERING. CHECKED 23 SEPT 59 BUT COULD NOT GET FIRM COMPLETION DATE. IF URGENT, PLS ADVISE AND WE'LL PUSH, OTHERWISE COMPLETION SOMETIME NEXT WEEK. AFFTC USED B-52 DROP TANK ON THEIR TEST AND MADE LABIED UP INSTALLATION IN CABIN. NO REGULAR C-130 FUSELAGE TANKS AVAILABLE. ENGINEERS ARE COMPUTING EXTENSION BASED ON VARIOUS CABIN FUEL LOADS FOR YOU. TANK INSTALLATION WOULD BE ANOTHER PROBLEM.

END OF MESSAGE

DOCUMENT NO. *44*
RC CHANGED TO: *1*
DECLASSIFIED
CLASS. CHANGED TO: TS S C *201*
NEXT REVIEW DATE:
AUTH: 117 70-2
DATE: *10/1/81* REVIEWER: 010956

SECRET